

# TS Manager 3



Validation, certification and qualification, mapping and everyday use software that supports all Tecnosoft data loggers Bluewave for real time processes monitoring included. From thermal process validation to warehouse mapping, TS Manager 3 is the most powerful tool that can accompany you in your work. It meets all the requirements of **FDA 21 CFR Part 11, GAMP5, Annex 11** (Basic and Pro versions only) regulations and offers a wide choice of functions and options for the analysis and reporting of your data.

It is available in two versions: **Lite, Basic** and **Pro**. Consult the [comparison sheet](#) to find out the differences. It can be installed as a standalone client software or with a client/server installation.

The software can be downloaded via TecnoUtility and works only with its hardware protection key. A Demo database is available with real data to analyze to understand the functionality of the software. You can also download data from your loggers. The Demo database resets at every restart.



## Applications



Validation



Pharmaceutical



Healthcare



Medical



Cosmetics



Sterilisation



Food & Beverages



Environment



Laboratories

## Main features

- Completely new User Interface with a modern Look&Feel
- Real time monitoring with the BlueWave loggers.
- **Data** in the devices **not editable**
- Data in software not editable and encryptable
- Access for each user through **login and password**
- **Client/server** setup and shared database
- **Multi-user** access
- **Multi-level** users, with different functions for each one
- **Customers and validated Instruments** database for validators activity
- **Audit Trail**: recording, not editable, of all carried out operations
- Data analysis through pre-set or customizable parameters
- Possibility of pre and post mission comments
- Visualization in graph, with zoom, and table
- **Multi graph** analysis
- Graph divided into **Sections** with analysis and statistics for each section
- **Synchronized data** table with statistics for each acquisition: maximum, minimum, average, maximum-minimum, maximum-average, average-minimum
- **Theoretical temperature** calculation based on pressure in saturated steam environment
- Conversion from absolute to relative pressure
- **Lethality chart** in missions and groups
- Print of customizable **reports**
- Data and reports export in HTML and XLS (MS Excel) format

The functions you find in the **Pro version** are:

- Setting the maximum number of wrong password attempts
- Ban time for users who have entered the wrong password too many times
- **Data encryption**
- Automatic check of data integrity, even before the mission or group is opened and much more
- Lethality calculation in real time
- time stamp on real time graph

## Plus

It is faster and even easier to use, with new and very useful functions to simplify your work. You can also request the PRO version of the software.

The Lite version can be used freely to take advantage of the software's features but is not compatible with industry regulations.

## The system

System with TS Manager is made up by:

- BlueWave

o

- SterilDisk / S-Micro / MicroW / S-Radio / RHTemp / PressureDisk / Pirani Vacuum Logger
- DiskInterface HS Mini / DiskInterface HS / Universal Multibay

or

- TempStick / HumiStick
- TecnoStick Interface

or

- TC-Log 8

## Accessories

- DiskInterface HS
- Universal multibay
- TecnoStick Interface

## Technical specifications

Operating systems	Windows 10, 11 (32, 64 bit)
Regulation compatibility	FDA 21 CFR Part 11
Data loggers supported	BlueWave, SterilDisk, P-Micro, S-Micro, S-Disk J, MicroW, L-Disk, RHTemp, PressureDisk, S-Radio, Pirani Vacuum Logger, TC-Log 8 USB, TempStick, HumiStick
Data management	Client/server database with single missions, groups, customers, instruments, devices, programming profiles
Data display	Graph (with zoom) and table (exportable into Excel and HTML), markers for process start and end, printed report of all the data, Multi graph
Customizable parameters	Acquisition step, mission duration, analysis type (lethality with Z and reference temperature values setting, Overkilling for validation)
Calculated parameters	Lethality (F0, PU, A0 etc.)
Accessories	DiskInterface HS Mini, DiskInterface HS, Multibay universale, TecnoStick Interface
Languages	Italian, English